Logo

STUDENT REPORT

DETAILS

Name

ZIHAN

Roll Number

3BR23EE113

EXPERIMENT

Title

MISSING ALPHABETS

Description

Pangram is a sentence containing every letter in the English alphabet. Given a string, find all characters that are missing from the string, Le., the characters that can make the string a Pangram We need to print output in alphabetic order.

For example,

Input: welcome to geeksforgeeks

Output: abdhijnpquvxyz

Source Code:

```python
def missing_pangram_characters(input_string):
    # Normalize the input string to lowercase
    input_string = input_string.lower()

    # Create a set of all lowercase English letters
    alphabet_set = set('abcdefghijklmnopqrstuvwxyz')

    # Create a set of characters present in the input
string
    input_characters = set(input_string)

    # Find missing characters
    missing_characters = alphabet_set - input_characte
rs

    # Sort the missing characters and join them into a
string
    missing_characters_sorted = ''.join(sorted(missing
_characters))

    return missing_characters_sorted

# Example usage
input_string = "welcome to geeksforgeeks"
output = missing_pangram_characters(input_string)
print(output)  # Output: abdhijnpquvxyz
```

RESULT

1 / 5 Test Cases Passed | 20 %